

PATENT NUMBER

**COPY**

## U.S. UTILITY PATENT APPLICATION

|  |                    |
|--|--------------------|
| <p>Q.I.P.E.</p> <p>SCANNED <i>[Signature]</i> Q.A. <i>US</i></p> | <p>PATENT DATE</p> |
|--|--------------------|

|        |       |          |              |                    |
|--------|-------|----------|--------------|--------------------|
| SECTOR | CLASS | SUBCLASS | ART UNIT     | EXAMINER           |
|        | 60.4  | 367      | 3761<br>3735 | W. H. H.<br>Hagera |



FILED WITH: ☐ DISK (CRF) ☐ FICHE  
(Attached in pocket on right inside flap)

**PREPARED AND APPROVED FOR ISSUE**

## ISSUING CLASSIFICATION

| ISSUING CLASSIFICATION       |   |          |   |                    |   |                                   |  |  |  |  |  |  |
|------------------------------|---|----------|---|--------------------|---|-----------------------------------|--|--|--|--|--|--|
| ORIGINAL                     |   |          |   | CROSS REFERENCE(S) |   |                                   |  |  |  |  |  |  |
| CLASS                        |   | SUBC'ASS |   | CLASS              |   | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |  |  |  |  |
| 604                          |   | 367      |   | 604                |   | 374                               |  |  |  |  |  |  |
| INTERNATIONAL CLASSIFICATION |   |          |   |                    |   |                                   |  |  |  |  |  |  |
| A                            | 6 | 1        | F | 13                 | / | 15                                |  |  |  |  |  |  |
|                              |   |          |   |                    | / |                                   |  |  |  |  |  |  |
|                              |   |          |   |                    | / |                                   |  |  |  |  |  |  |
|                              |   |          |   |                    | / |                                   |  |  |  |  |  |  |

☐ Continued on Issue Slip inside File Jacket

|   |   |                              |                                   |                               |
|---|---|------------------------------|-----------------------------------|-------------------------------|
| <input type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>   | <b>DRAWINGS</b>   |                              | <b>CLAIMS ALLOWED</b>             |                               |
|   | Sheets Drwg.<br><div>15</div>   | Figs. Drwg.<br><div>20</div> | Print Fig.<br><div>2</div>        | Total Claims<br><div>67</div> |
| <input type="checkbox"/> a) The term of this patent<br>subsequent to _____ (date)<br>has been disclaimed.   | <div>  <div>10/29/03</div> <div>(Assistant Examiner) (Date)</div> </div>   |                              | <b>NOTICE OF ALLOWANCE MAILED</b> |                               |
| <input type="checkbox"/> b) The term of this patent shall<br>not extend beyond the expiration date<br>of U.S. Patent. No. _____<br>_____<br>_____   | <div> <b>WEILUN LO</b><br/> <b>SUPERVISORY PATENT EXAMINER</b><br/> <b>TECHNOLOGY CENTER 3700</b><br/> <div>  <div>10/29/03</div> <div>(Primary Examiner) (Date)</div> </div> </div> |                              | <b>ISSUE FEE</b>                  |                               |
|   |   |                              | Amount Due                        | Date Paid                     |
| <input type="checkbox"/> c) The terminal _____ months of<br>this patent have been disclaimed.   | _____ (Legal Instruments Examiner) _____ (Date)   |                              | <b>ISSUE BATCH NUMBER</b>         |                               |
| <b>WARNING:</b><br>The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. |   |                              |                                   |                               |

Form **PTO-436A**  
(Rev. 6/98)

(LABEL AREA)